



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4440-1

Job Sheet 178401



Part No: D4440-1

Job Qty: 20 ea

Part Name: Grommet



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/31/18

Job Tracking No:

Due Date: 6/11/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV A IPP REV:A 11.10.05 NEW ISSUE DD VERF:EC IPP RevB 11.12.22 per PA2 EC verified by:JLM
IPP REV:C 12.1.23 AS PER REV.A DD VERF:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	20 pcs		6/11/18	0.00	0.00	Purchasing		<i>OK 18/06/07</i>
110	Packaging	20 pcs		6/11/18	0.00	0.00	Packaging2		<i>ATD 18/06/07</i>
120	QC	20 pcs		6/11/18	0.00	0.00	QC6		11 JUN 11 2018
130	Packaging	20 pcs		6/11/18	0.00	0.00	Packaging3-2		9-89
140	QC21-SA	20 Ea		6/11/18	0.00	0.00	QC21		DAS 21 JUN 12 2018 9-89

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
GRD21625375PA	Diaphragm Grommet D4440-1	20 pcs (1 ea)	100-Purchasing	<i>DAS 5079124</i>
		X20	MAY 31 2018	13 9-89

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	GRD21625375PA	20	0	0

Part Specifications

Specifications could not be found.

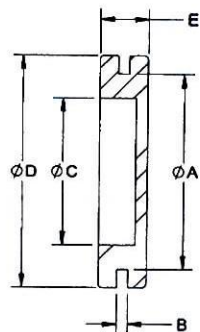
DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

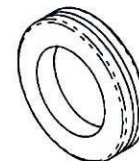
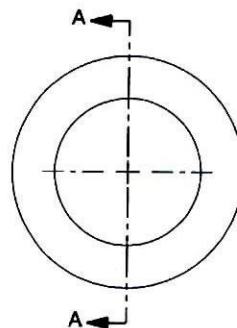
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Not Approved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																										
Date : _____		Container No: S079128 Part: D4440-1 Job No: 178401 Serial No/Batch: S079128 Revision: _____ Inspector: _____ Exp Date: 06/07/2018 Instructions: _____ Date: 06/07/18			MRB (QSI042) Approval																																																							
Description: _____					Completed By																																																							
					Lead hand / Supervisor Approval Verification																																																							
					QC / QA Coordinator Approval																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: left;">Root Cause</th> </tr> </thead> <tbody> <tr> <td style="width:15%;">Environment</td> <td style="width:15%;">☐</td> <td style="width:15%;">No Re-v</td> <td style="width:15%;">☐</td> </tr> <tr> <td>Design</td> <td>☐</td> <td>Operati</td> <td>☐</td> </tr> <tr> <td>Doc/Data</td> <td>☐</td> <td>Offset/L</td> <td>☐</td> </tr> <tr> <td>Equip/Tooling</td> <td>☐</td> <td>Supplier</td> <td>☐</td> </tr> <tr> <td>Handling/Pre</td> <td>☐</td> <td>Training</td> <td>☐</td> </tr> <tr> <td>Material</td> <td>☐</td> <td>Use for Testing</td> <td>☐</td> </tr> <tr> <td>Internal Transport</td> <td>☐</td> <td>Poor Information</td> <td>☐</td> </tr> <tr> <td>Tribal Knowledge</td> <td>☐</td> <td>Rushing</td> <td>☐</td> </tr> <tr> <td>LOA</td> <td>☐</td> <td>Product Improvement</td> <td>☐</td> </tr> <tr> <td>Substation</td> <td>☐</td> <td>Process Improvement</td> <td>☐</td> </tr> <tr> <td>Past Expiry Date</td> <td>☐</td> <td>Manufacturing Process</td> <td>☐</td> </tr> <tr> <td>Misidentified</td> <td>☐</td> <td>Past Due</td> <td>☐</td> </tr> <tr> <td colspan="4" style="text-align: left;">OTHER : _____</td> </tr> </tbody> </table>					Root Cause				Environment	☐	No Re-v	☐	Design	☐	Operati	☐	Doc/Data	☐	Offset/L	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	OTHER : _____			
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OTHER : _____																																																												



SECTION A-A



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 178401
MLJ
18-0531

D4440-X GROMMET

DART PART NUMBER	DESCRIPTION	SUPPLIER PART NUMBER	STYLE NUMBER	SUPPLIER	MATERIAL	COLOR	A	B	C	D	E
D4440-1	GROMMET	GRD21625375PA	2	ALLIANCE	PVC (54-62 Shore A) or TPR (55 Shore A)	BLACK	1.63	0.094	1.22	1.93	0.4

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A lbs

RELEASE
2012-01-23

REV.	DESCRIPTION	BY	DATE
A	NEW ISSUE	RF	12.01.17
DESIGN	RF		
DRAWN	RF		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	12.01.17		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D4440
REV. A
SHEET 1 OF 1
TITLE GROMMET
SCALE NTS

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NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMIT FROM DART AEROSPACE LTD

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040068

Supplier: ESS002-VC
Essentra Components
P.O. Box 9900 T-9915, Postal Station A
Toronto
ON
M5M 2J2 Canada

Attention: Farrelly, Jeff

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040068

PO Date: 5/31/18

Due Date: 6/11/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

REVISED

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	GRD21625375PA		Diaphragm Grommet D4440-1 As per Dwg D4440 Rev. A	Firmed	6/11/18	20 pcs	0 pcs	20 pcs	\$2.4009/pcs	\$48.02
Line Item Note wo 178401										
2	KBP-504		Hand Retractable Spring Plunger D3801-1 As per Dwg D3801 Rev. B	Firmed	6/11/18	10 pcs	0 pcs	10 pcs	\$24.46/pcs	\$244.60
Line Item Note wo 178411										
3	D3810-1P		Hand Plunger PRSN-375SN As per Dwg D3810 Rev. A	Firmed	6/11/18	10 pcs	0 pcs	10 pcs	\$24.75/pcs	\$247.50
Line Item Note wo 172517										
4	BLBS-0016		Pip Pin	Firmed	6/11/18	4 pcs	0 pcs	4 pcs	\$41.76/pcs	\$167.04
Grand Total:										\$707.16

Order Notes

reid A18106/07

DAS
11
9-89



Essentra Components
2538 Speers Road, Unit 7
Oakville, ON L6L 5K9
Phone: 905-825-0134
Fax: 905-825-2919
www.essentracomponents.com

Packing List
LOAD NUMBER 57804
SID/INV 2001808
CUSTOMER PO PO040068
ORDER NUMBER 2670310
CARRIER Fed Ex Ground
SHIP DATE 06/06/18
FOB DESCRIPTION COL

SOLD TO 422854
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7
CANADA

DELIVERY TO 422854
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7
CANADA

LINE NO	PART NO. DESCRIPTION	ORIGINAL QUANTITY	QUANTITY SHIPPED	CTNS	NET WEIGHT	TOTAL WEIGHT
1	GRD21625375PA DIAPHRAGM GROMMET:TPR BLACK 1.65" HOLE X 0.094" 1000 BOX Cust Order #: PO040068 Country Of Origin: UK	.020	.020	1	.22	27.22
2	KBP-504 3/8-24 NON-LOCKING SS PULL INDEXING PLUNGER Cust Order #: PO040068 Country Of Origin: DE	10.000	10.000	10	.47	1.47
3	PRSN-375SN 3/8-16 X .63 W/LE SS STUBY PULL PLGR Cust Order #: PO040068 Country Of Origin: US	10.000	10.000	10	.26	1.26
4	BLBS-0016A B156101 3/16 X 1.25 SS BL PIN	4.000	4.000	4	.14	1.15

DAS
11
9-89

JUN 11 2018

All sales/purchases described herein are subject to Essentra's terms and conditions located at <http://www.essentracomponents.com/en-ca/terms-and-conditions-of-sale>, as amended from time to time, and made a part hereof ("Terms and Conditions"). Essentra disclaims and rejects any additional terms and conditions proposed by Customer and the same shall not be binding upon Essentra, regardless of when submitted. Customer's acceptance of the sales/purchases described herein and said Terms and Conditions may be confirmed in writing or any verbal or physical manifestation of acceptance, including, but not limited to, Customer's receipt of goods or payment to Essentra for the sales/purchases described herein.

Certificate of Compliance

This is to certify that the above material shipped against your purchase order is in conformance with all known requirements, specifications and drawings in effect at the time of manufacture. All applicable physical, functional, dimensional and material test reports are on file at our facility, and may be inspected by your representative upon request.

Rick Simon

Quality Assurance Manager